

2017 California-Germany Bilateral Energy Conference

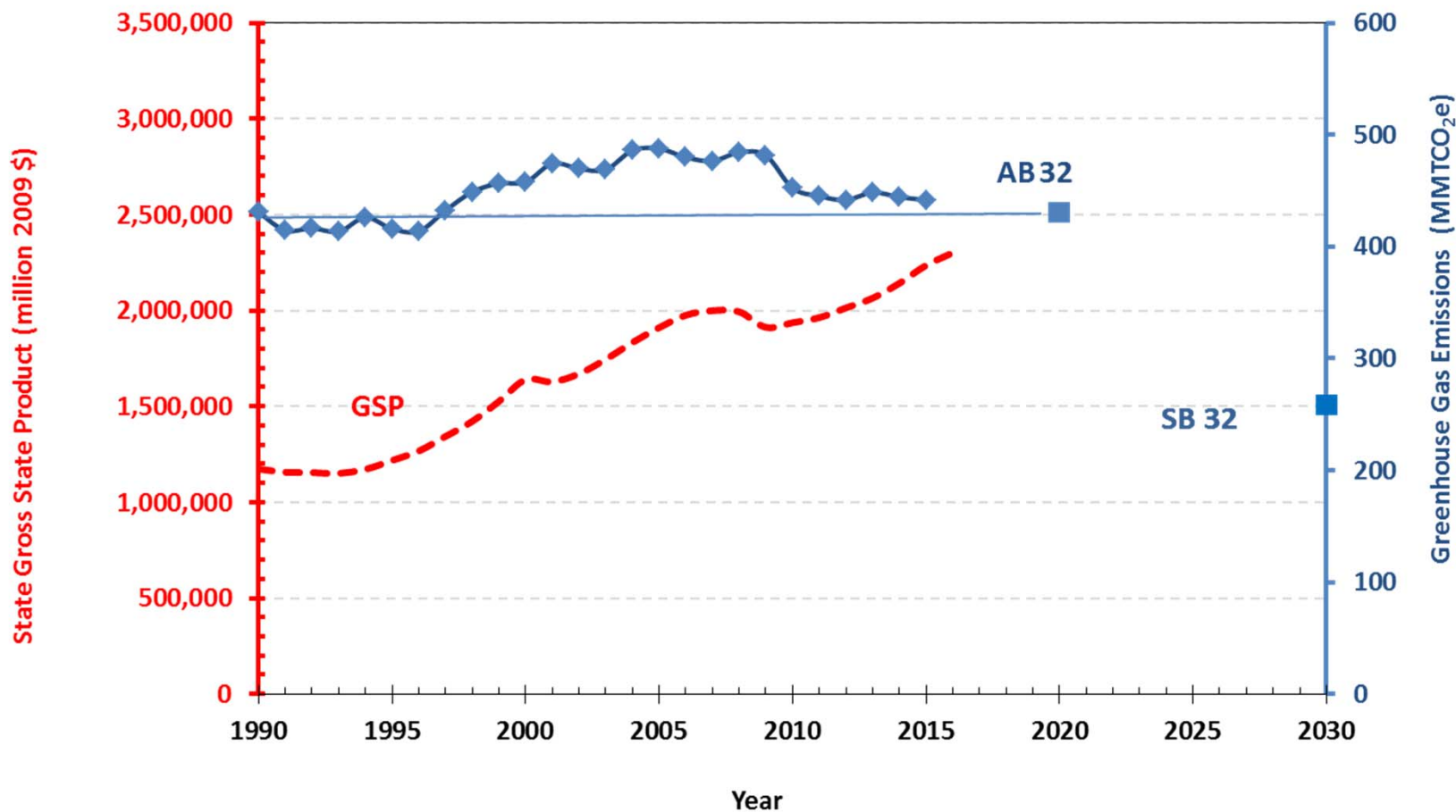
Robert B. Weisenmiller
Chair, California Energy Commission

October 19, 2017



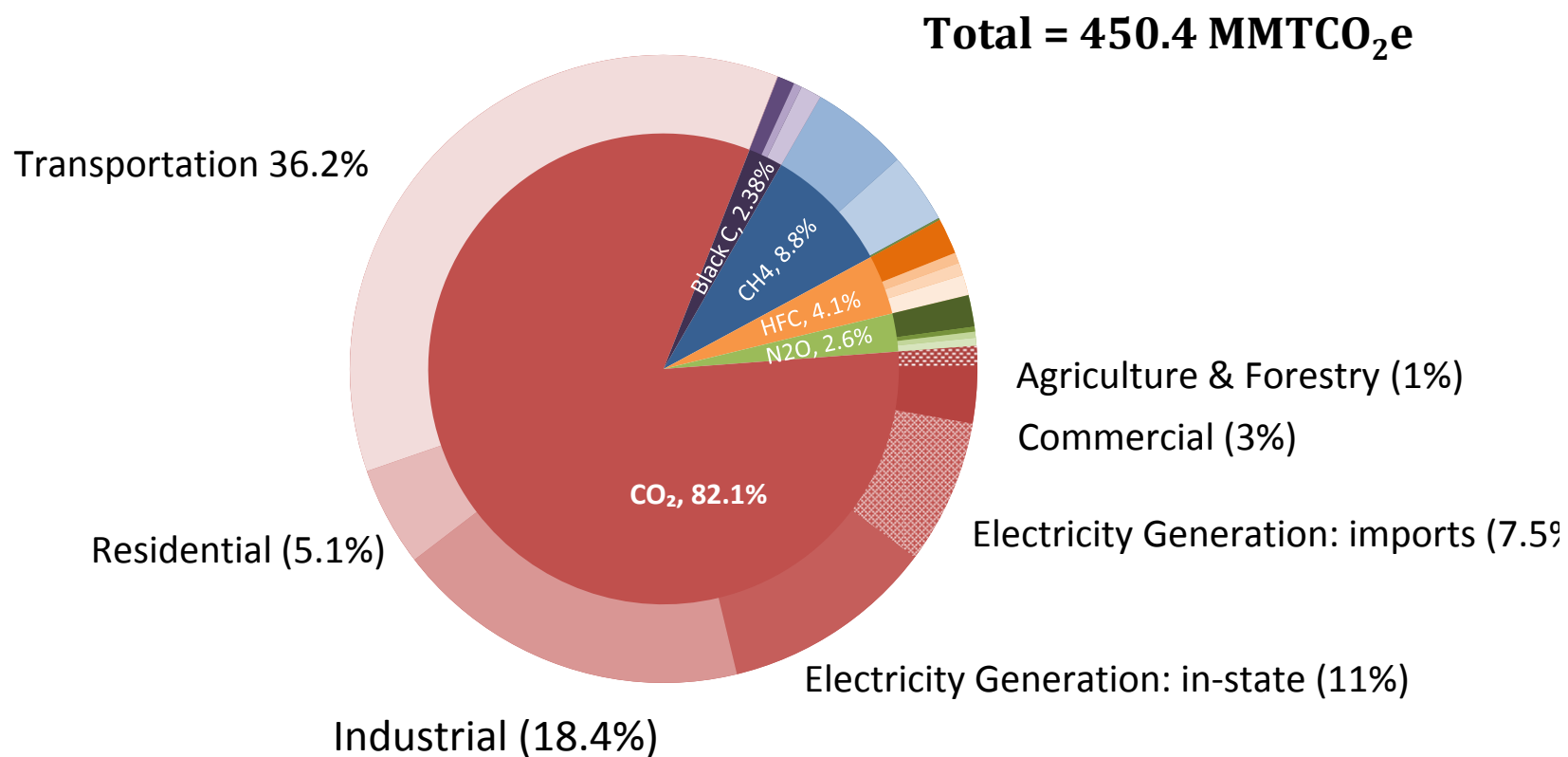


Total GHG emissions and GSP since 1990





2015 GHG by Source





Senate Bill 350

- 50% renewable energy by 2030
- Doubling energy efficiency savings by 2030
- Encourage widespread transportation electrification
- Integrated resource planning to reduce greenhouse gas emissions
- Address barriers for low-income residents & disadvantaged communities
- Explore grid regionalization





Energy Commission Barriers Study – EE and Renewables

“Low-Income Barriers Study: Part A: Overcoming Barriers to Energy Efficiency and Renewables for Low-Income Customers and Small Business Contracting Opportunities in Disadvantaged Communities.”
- Adopted December 14, 2016

Principal Recommendations

- Establish a coordinating task force
- Enable the economic advantages for community solar
- Strategize on effective green workforce and education goals in disadvantaged communities
- Continue developing a series of energy upgrade financing pilot programs
- Collaboration to establish common metrics and collect and use data systematically across programs



California's Climate Strategy

An Integrated Plan for Addressing Climate Change



VISION

**Reducing Greenhouse Gas Emissions
to 40% Below 1990 Levels by 2030**

GOALS



**50%
renewable
electricity**

**50%
reduction
in petroleum
use in vehicles**



**Double energy
efficiency savings
at existing buildings**

**Carbon
sequestration
in the land base**



**Reduce
short-lived
climate pollutants**

**Safeguard
California**





Under 2 MOU

Reduce GHG
emissions by 80 to
95 percent by
2050

OR

2 annual metric
tons of CO₂E per
capita

UNDER2° REGIONS REPRESENT

1.2 BILLION
PEOPLE



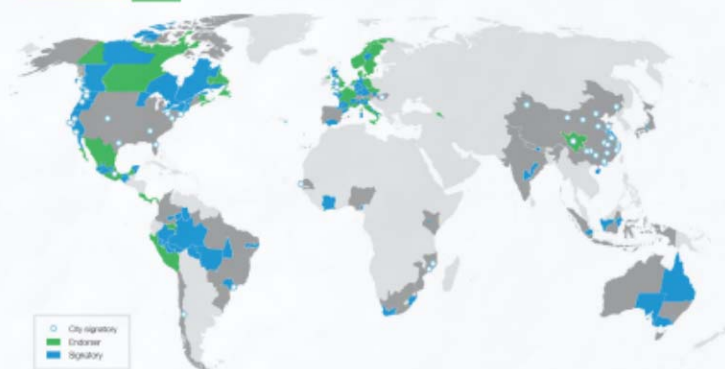
AND

\$28.9 TRILLION
IN GDP

That's 39% of the global economy

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UNDER2° SECRETARIAT THE CLIMATE GROUP



UNDER2 SIGNATORIES AND ENDORSERS

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UNDER2° SECRETARIAT THE CLIMATE GROUP

188 jurisdictions
from 39 countries
and 6 continents

HAVE SIGNED OR ENDORSED THE UNDER2 MOU

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